

Rabbit anti-Human Nephrin Polyclonal Antibody | anti-NPHS1 antibody

Rabbit anti-human Nephrin polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229146	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Nephrin; Polyclonal Antibody; Rabbit anti-human Nephrin polyclonal Antibody; Nephrin (Renal glomerulus-specific cell adhesion receptor); NPHS1; NPHN; anti-NPHS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4!!
Applicable Applications for anti-NPHS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Nephrin protein (23-257AA)
Immunogen Species	Homo sapiens (Human)
Conjugate	Non-conjugated
Research Area	Signal Transduction
Target Names	NPHS1
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-19000 / sc-32529 / sc-32530 / sc-32532 / sc-28192
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA229146 at 1:125, counter- stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degrees C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



WB (Western Blot)

Western BlotPositive WB detected in: Jurkat whole cell lysateAll lanes: NPHS1 antibody at 5.6ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 135, 131 kDaObserved band size: 135 kDa



IHC (Immunohistochemistry)

IHC image of AAA229146 diluted at 1:250 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degrees C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-NPHS1 antibody	Seems to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758822
NCBI GeneID	4868
NCBI Accession #	NP_004637.1
NCBI GenBank Nucleotide #	NM_004646.3
UniProt Accession #	O60500; A6NDH2; C3RX61
NCBI Official Full Name	nephrin
NCBI Official Synonym Full Names	NPHS1 nephrin
NCBI Official Symbol	NPHS1
NCBI Official Synonym Symbols	CNF; NPHN; nephrin
NCBI Protein Information	nephrin
UniProt Protein Name	Nephrin
UniProt Gene Name	NPHS1
UniProt Synonym Gene Names	NPHN
UniProt Entry Name	NPHN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nephrin-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229146>